

Current activity on new regular-shape natural crystals and enriched crystals

New ZnMoO_4 LUMINEU crystals have been grown in NIIC (Russia) by using LTG Cz

- Improved ZnMoO_4 (2 × 338 g) were produced. A boule was grown, melted and then crystallized again. Molybdenum was purified by using double recrystallization from solutions [1]
- First $\text{Zn}^{100}\text{MoO}_4$ boule was developed from deeply purified ^{100}Mo and two samples (64 and 61 g) were produced [2]

New bolometers based on two improved ZnMoO_4 and first $\text{Zn}^{100}\text{MoO}_4$ crystals will be tested soon at the LSM

[arXiv:1405.6937v1](https://arxiv.org/abs/1405.6937v1) [physics.ins-det]

